

WHAT IS CLAIMED IS:

1. An image data conversion apparatus for
converting input image data of four colors consisting of
5 cyan, magenta, yellow and black into output image data,
said imager data conversion apparatus comprising:

a detection section for detecting an existence of
a point or an area on an image in which any one of cyan,
magenta and yellow has a value exceeding a first
10 predetermined value, and black has a value exceeding a
second predetermined value, in accordance with the input
image data; and

15 a conversion section having two modes of a first
mode wherein said input image data is converted into output
image data which is independent of an existence of said
detection section, and a second mode wherein in the event
that the detection section detects an existence of the
point or the area, the input image data is converted into
an output image data which is representative of an
20 existence of the point or the area.

2. An image data conversion apparatus according
to claim 1, wherein when said detection section detects
non-existence of the point or the area, said conversion
25 section converts, in the second mode, the input image data
into the same output image data as a case where the input
image data is converted into the output image data in the

first mode.

3. An image data conversion apparatus according to claim 1, wherein said detection section detects the 5 existence of the point or the area together with position information on an image of the point or the area, and

wherein when said detection section detects the existence of the point or the area, said conversion section converts, in the second mode, a fact that the point or the 10 area exists into an output image data in which the position information on the image of the point or the area is involved.

4. An image data conversion apparatus according 15 to claim 3, wherein when said detection section detects the existence of the point or the area, said conversion section converts, in the second mode, a fact that the point or the area exists into an output image data in which the point or the area is represented by a predetermined color.

20 5. An image data conversion apparatus according to claim 1, wherein said input image data is a multi-value of input image data, and said detection section detects an existence of the point or the area on the image in which 25 any one of cyan, magenta and yellow has a value exceeding 0 as the first predetermined value, and black has a value exceeding 0 as the second predetermined value, in

accordance with the input image data.

6. An image data conversion apparatus according to claim 1, wherein said input image data is a binary input
5 image data consisting of 0 and 1, and said detection section detects an existence of the point or the area on the image in which any one of cyan, magenta and yellow has a value 1 exceeding 0 as the first predetermined value, and black has a value 1 exceeding 0 as the second predetermined
10 value, in accordance with the input image data.

7. An image data conversion program storage medium storing an image data conversion program which causes a computer to operate as an image data conversion apparatus for converting input image data of four colors consisting of cyan, magenta, yellow and black into output image data, said imager data conversion program comprising:

a detection section for detecting an existence of a point or an area on an image in which any one of cyan, magenta and yellow has a value exceeding a first predetermined value, and black has a value exceeding a second predetermined value, in accordance with the input image data; and

a conversion section having two modes of a first mode wherein said input image data is converted into output image data which is independent of an existence of said detection section, and a second mode wherein in the event

that the detection section detects an existence of the point or the area, the input image data is converted into an output image data which is representative of an existence of the point or the area.

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8. An image data re-conversion program storage medium storing an image data re-conversion program which causes a computer to operate as an image data re-conversion apparatus for re-converting input image data of four colors 10 consisting of cyan, magenta, yellow and black into output image data, said imager data re-conversion program comprising:

15 a detection section for detecting an existence of a point or an area on an image in which any one of cyan, magenta and yellow has a value exceeding a first predetermined value, and black has a value exceeding a second predetermined value, in accordance with the input image data; and

20 a re-conversion section having two modes of a first mode wherein said input image data is converted into output image data which is independent of an existence of said detection section, and a second mode wherein in the event that the detection section detects an existence of the point or the area, the input image data is re-converted 25 into an output image data which is representative of an existence of the point or the area.